

15

In a second test trained sensory panelists compared Example IB and the Comparative Example regarding burning sensation and bitterness.

Intensity of the Burning sensation [Scale 0-60]	Example IB	Comparative Example
In mouth	19.2	25
After expectoration	15.8	20.8

Intensity of the Bitterness [Scale 0-60]	Example IB	Comparative Example
In mouth	6.5	6.5
After expectoration	11.6	13.8

The trained panelists confirmed that the composition as disclosed herein imparts less burning sensation in the mouth as well as over time. Bitterness of the composition of Example IB was considered less directly after expectoration. The in mouth value is comparable to the bitterness of the Comparative Example.

That means, in addition to be stabilized against crystal formation in solution the compositions as disclosed herein show also taste advantages and a better Consumer acceptance compared to the marketed Comparative Example.

The dimensions and values disclosed herein are not to be understood as being strictly limited to the exact numerical values recited. Instead, unless otherwise specified, each such dimension is intended to mean both the recited value and a functionally equivalent range surrounding that value. For example, a dimension disclosed as "40 mm" is intended to mean "about 40 mm."

All documents cited in the Detailed Description of the Invention are, in relevant part, incorporated herein by reference; the citation of any document is not to be construed as an admission that it is prior art with respect to the present invention.

While particular embodiments of the present invention have been illustrated and described, it would be obvious to those skilled in the art that various other changes and modifications can be made without departing from the spirit and scope of the invention. It is therefore intended to cover in the appended claims all such changes and modifications that are within the scope of this invention.

What we claim is:

1. A mouthwash oral composition comprising at least 0.5% by weight of the composition of pyrophosphate in an orally acceptable carrier, wherein the pyrophosphate is provided by a mixture consisting of disodium pyrophosphate and tetrasodium pyrophosphate in a ratio from disodium pyrophosphate to tetrasodium pyrophosphate in the range of from 1:0.4 to 1:1.2, wherein the pH value of the composition is in the range of from 6.0 to 8.0, wherein the orally

16

acceptable carrier comprises less than 11% alcohol, wherein the composition comprises less than 13 mM potassium ions, and wherein the maximum level of sodium in the composition is less than 300 mM.

2. The mouthwash oral composition according to claim 1, wherein the orally acceptable carrier comprises alcohol.

3. The mouthwash oral composition according to claim 2, wherein the orally acceptable carrier comprises less than 9% alcohol by weight of the composition.

4. The mouthwash oral composition according to claim 1, wherein the orally acceptable carrier comprises from 60% to 95% of water by weight of the composition.

5. The mouthwash oral composition according to claim 4, wherein the orally acceptable carrier comprises from 65% to 90% of water by weight of the composition.

6. The mouthwash oral composition according to claim 1, wherein the orally acceptable carrier comprises a humectant.

7. The mouthwash oral composition according to claim 6, wherein the composition comprises the humectant in the range of from 4% to 8% by weight of the composition.

8. The mouthwash oral composition according to claim 7, wherein the composition comprises the humectant in the range of from 4.5% to 7% by weight of the composition.

9. The mouthwash oral composition according to claim 1, wherein the composition comprises at least 1.0% pyrophosphate by weight of the composition.

10. The mouthwash oral composition according to claim 9, wherein the composition comprises at least 1.3% pyrophosphate by weight of the composition.

11. The mouthwash oral composition according to claim 1, wherein the maximal amount of the pyrophosphate in the composition is 2.8% by weight of the composition.

12. The mouthwash oral composition according to claim 11, wherein the maximal amount of the pyrophosphate in the composition is 2.5% by weight of the composition.

13. The mouthwash oral composition according to claim 1, wherein the pH of the composition is in the range of from 6.5 to 7.5.

14. The mouthwash oral composition according to claim 1, wherein the ratio from disodium pyrophosphate to tetrasodium pyrophosphate is in the range of from 1:0.5 to 1:1.1.

15. The mouthwash oral composition according to claim 1, wherein the ratio from disodium pyrophosphate to tetrasodium pyrophosphate is in the range of from 1:0.6 to 1:1.0.

16. The mouthwash oral composition according to claim 1, wherein the composition comprises a fluoride ion source.

17. The mouthwash oral composition according to claim 1, wherein the composition further comprises an acceptance improving agent.

18. The mouthwash oral composition according to claim 1, wherein the maximum level of sodium in the composition is less than 280 mM.

19. The mouthwash oral composition according to claim 1, wherein the composition comprises a crystal prevention score (CPS) in the range of from 70 to 100.

* * * * *